

“Rayat Shikshan Sanstha’s”
KARMAVEER BHAURAO PATIL MAHAVIDYALAYA, PANDHARPUR
(Autonomous)
B.Sc. Part-I Geography Semester-I
SEC –I (2) Introduction to GIS

Objectives:

1. To make aware the student about the knowledge of GIS.
2. To make conscious the student about the historical background of GIS.
3. To familiarize the student about components of GIS.

Course Outcomes:

After the completion of course, the student will have ability to:

1. The student learns about the GIS.
2. The Students were familiar the knowledge about Components of GIS.

SYLLABUS

Unit No	Topic	Sub Topic	Credits	No. of Lectures
I	Introduction to GIS	1.1 Definition & Concept of GIS 1.2 Historical Background of GIS 1.3 Scope of GIS 1.4 Advantages and Dis Advantages of GIS	1	15
II	Components of GIS	2.1 Components of GIS 2.2 Raster data –Concept &Types 2.3 Vector Data Concept Types 2.4 Application of GIS in Geography	1	15

REFERENCES

1. Ian, Haywood & others (2006): Geographical Information System, Pearson Education, Inc., Delhi.
2. Jamwal, Anil K. (2008): Geographical Information System, JnanadaPrakashan, New Delhi.
3. Tomlin, Dana C. 1990. GIS and Cartographic Modeling. New Jersey: Prentice Hall.
4. Tukey, John W. 1972. “Some Graphic and Semigraphic Displays.” In Statistical Papers in Honor of George w. Snedecor, edited by T. A. Bancroft, 293–316. August 1969.
5. Heywood I, Cornelius S, Carver S (2006). An Introduction to Geographical Information Systems (3rd ed.). Essex, England: Prentice Hall.